

Modeling of sewage bioremediation as a modified Petri net

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Abstract

The article discloses the mathematical basis of Petri nets used in the modeling and design of the module bioremediation of hydrocarbon wastewater. There described the technique of two-tier system of the modeling process of biochemical treatment of oily wastewater, as well as a model developed by the authors in the form of a modified Petri nets and software package management system of biochemical treatment of wastewater. © IDOSI Publications, 2014.

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Keywords

Biochemist technology system, Hierarchical structural model, Modified Petri nets, System modeling, Wastewater bioremediation